

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316859

Luminaire Tested: **GAN-SA5D-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5D-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40001 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

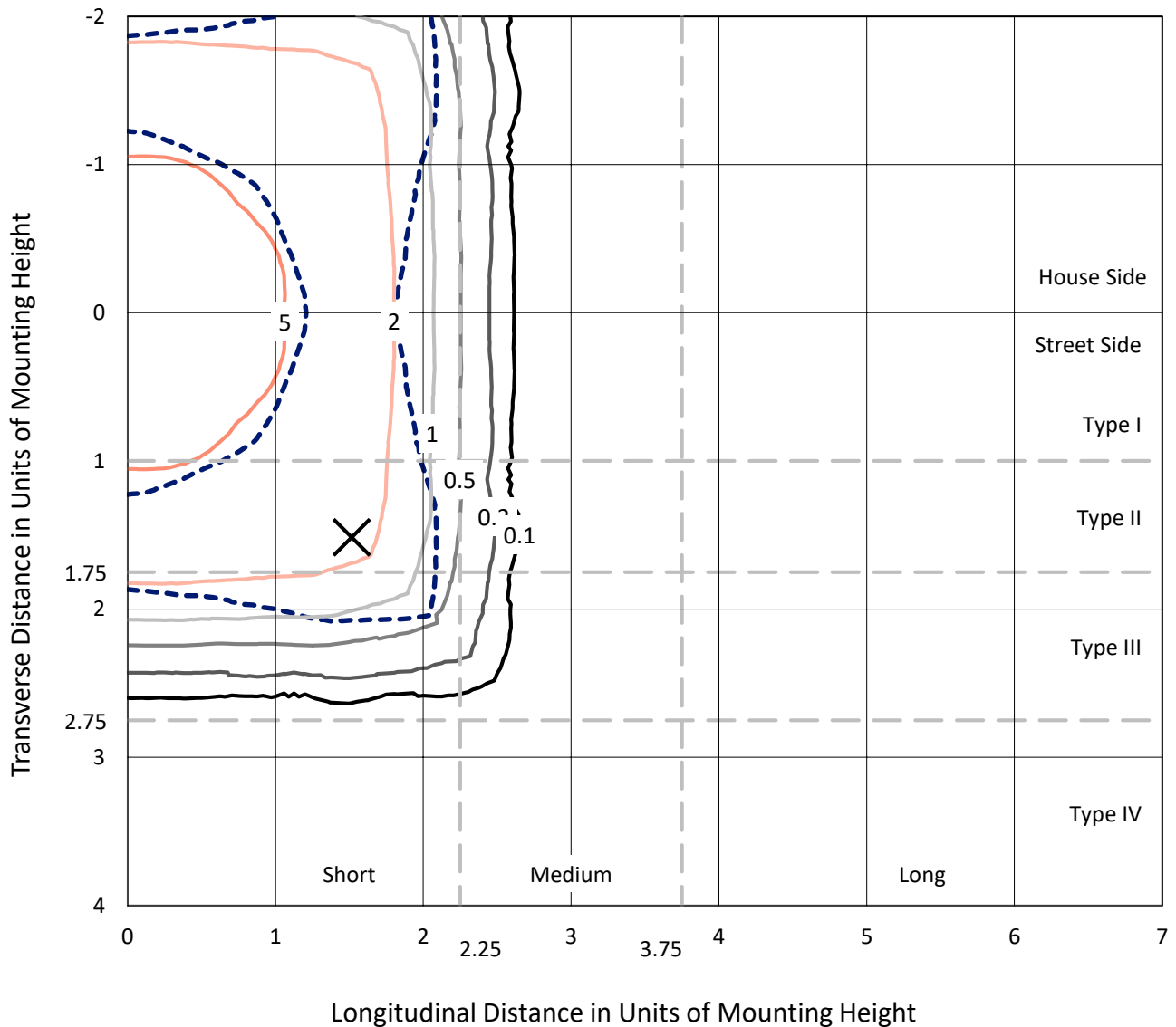
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

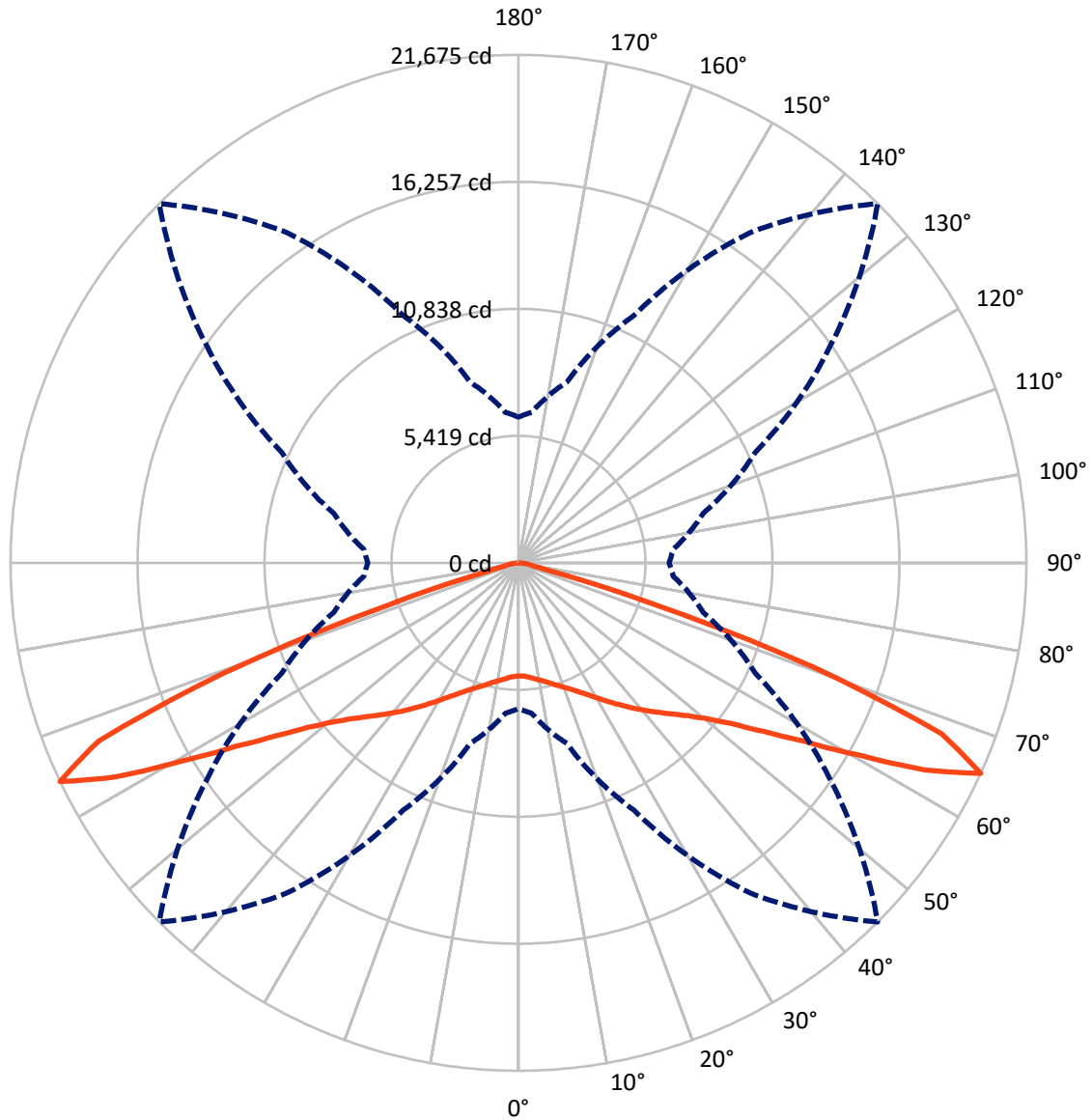
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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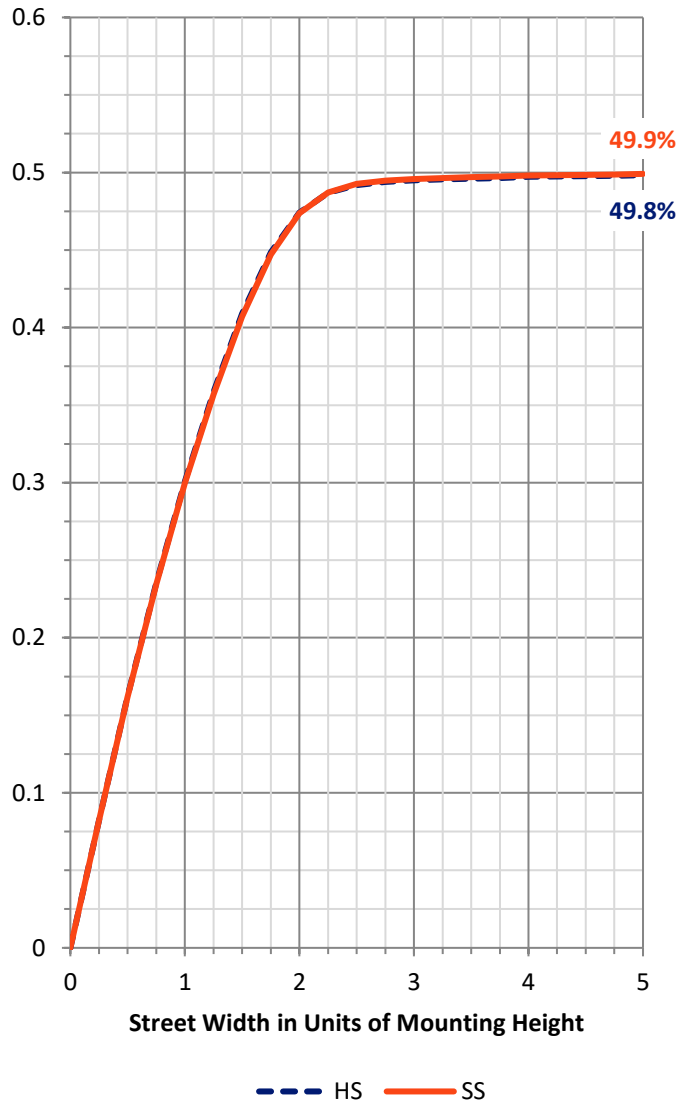
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20000.5	0.0	20000.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20000.5	0.0	20000.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40001.0	0.0	40001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.9	1.2
10°-20°	1523.4	3.8
20°-30°	2858.2	7.1
30°-40°	4726.9	11.8
40°-50°	7321.3	18.3
50°-60°	11228.8	28.1
60°-70°	10477.7	26.2
70°-80°	1219.4	3.0
80°-90°	171.4	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	40001.0	100.0
0°-180°	40001.0	100.0

Coefficient of Utilization



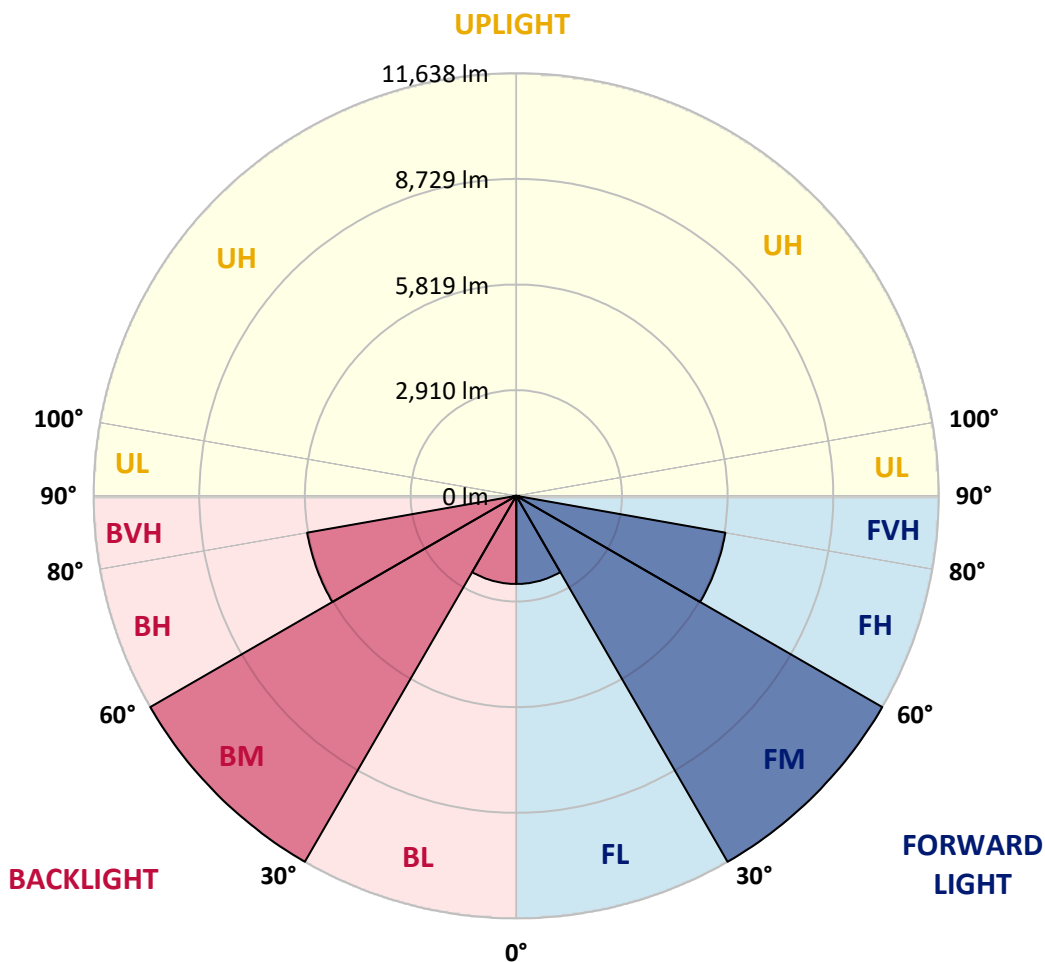
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2427.8	6.1			
FM (30°-60°)	11638.5	29.1			
FH (60°-80°)	5848.6	14.6			G3/7500
FVH (80°-90°)	85.7	0.2			G1/100
BL (0°-30°)	2427.8	6.1	B3/2500		
BM (30°-60°)	11638.5	29.1	B5		
BH (60°-80°)	5848.6	14.6	B5		G3/7500
BVH (80°-90°)	85.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4830.6	4830.6	4830.6	4830.6	4830.6	4830.6	4830.6	4830.6	4830.6	4830.6	4830.6
2.5°	4846.6	4843.9	4846.6	4847.9	4839.9	4843.9	4842.6	4849.2	4851.9	4849.2	4849.2
5°	4902.3	4898.3	4903.7	4910.3	4899.7	4902.3	4898.3	4906.3	4909.0	4903.7	4907.6
7.5°	4979.3	4980.7	4986.0	4997.9	4991.3	4996.6	4988.6	4990.0	4988.6	4980.7	4982.0
10°	5063.0	5064.3	5073.6	5089.6	5092.2	5092.2	5086.9	5082.9	5077.6	5072.3	5073.6
12.5°	5163.9	5170.6	5177.2	5197.1	5197.1	5207.7	5205.1	5194.5	5185.2	5177.2	5177.2
15°	5300.7	5299.3	5307.3	5327.2	5336.5	5353.8	5353.8	5339.2	5327.2	5319.3	5316.6
17.5°	5444.1	5448.1	5453.4	5477.3	5491.9	5511.8	5514.5	5502.5	5494.5	5483.9	5477.3
20°	5611.4	5618.0	5639.3	5648.6	5661.8	5680.4	5687.1	5684.4	5676.5	5671.1	5672.5
22.5°	5806.6	5823.8	5837.1	5850.4	5866.3	5879.6	5886.2	5895.5	5887.6	5883.6	5880.9
25°	6042.9	6054.9	6081.4	6105.3	6116.0	6119.9	6127.9	6141.2	6139.9	6130.6	6130.6
27.5°	6311.2	6333.7	6366.9	6401.4	6401.4	6388.2	6414.7	6437.3	6429.3	6417.4	6401.4
30°	6636.5	6657.7	6696.2	6744.0	6720.1	6710.8	6746.7	6787.8	6775.9	6756.0	6753.3
32.5°	6987.0	7006.9	7057.4	7109.2	7078.6	7065.4	7103.9	7163.6	7142.4	7102.5	7078.6
35°	7366.8	7386.7	7458.4	7520.8	7469.0	7446.4	7478.3	7543.4	7506.2	7431.8	7413.2
37.5°	7779.7	7790.3	7883.3	7947.0	7911.2	7851.4	7891.3	7939.1	7907.2	7816.9	7781.1
40°	8208.6	8247.1	8354.7	8429.0	8366.6	8272.3	8338.7	8405.1	8357.3	8241.8	8180.7
42.5°	8709.2	8738.4	8881.8	8948.2	8847.3	8714.5	8804.8	8895.1	8847.3	8735.8	8682.6
45°	9229.7	9274.9	9446.1	9512.5	9366.5	9197.8	9308.1	9466.1	9462.1	9301.4	9245.6
47.5°	9796.7	9841.8	10046.3	10134.0	9975.9	9750.2	9905.6	10128.6	10112.7	9936.1	9891.0
50°	10451.3	10499.1	10754.1	10864.3	10716.9	10454.0	10687.7	10884.2	10855.0	10637.2	10641.2
52.5°	11273.2	11270.6	11587.9	11779.1	11627.8	11395.4	11610.5	11801.7	11680.9	11379.5	11370.2
55°	11992.9	12036.7	12429.8	12792.3	12783.0	12694.0	12780.3	12788.3	12443.0	12042.0	11992.9
57.5°	12465.6	12549.3	13103.0	13758.9	14250.2	14368.4	14201.1	13693.9	12885.2	12243.9	12165.5
60°	12174.8	12302.3	13172.0	14509.1	15956.5	16650.9	15706.8	14133.4	12541.3	11647.7	11541.5
62.5°	10212.3	10427.4	11700.8	14146.6	17425.0	19455.3	16798.3	13428.3	11173.6	9942.8	9760.8
65°	6219.5	6446.6	7981.6	11643.7	17187.4	21675.4	16300.4	11145.8	8155.5	6624.5	6428.0
67.5°	2072.7	2139.1	3043.4	6436.0	13508.0	19475.2	13530.5	6672.3	3549.3	2352.9	2283.9
70°	811.3	817.9	965.3	1865.6	6378.9	13376.5	7038.8	1898.8	1009.1	798.0	815.3
72.5°	596.2	598.8	640.0	779.4	1662.4	5892.9	1722.2	783.4	622.7	559.0	559.0
75°	479.3	479.3	508.6	568.3	744.9	1351.7	755.5	561.7	487.3	446.1	440.8
77.5°	378.4	386.4	409.0	447.5	504.6	650.6	523.2	444.8	393.0	354.5	346.6
80°	281.5	289.5	326.6	345.2	362.5	451.5	386.4	347.9	310.7	265.6	257.6
82.5°	184.6	192.5	239.0	249.6	245.6	294.8	260.3	256.3	228.4	171.3	163.3
85°	120.8	123.5	159.3	166.0	152.7	134.1	166.0	175.3	159.3	111.5	107.6
87.5°	57.1	57.1	81.0	75.7	69.0	55.8	75.7	89.0	90.3	54.4	53.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)